

### Abstract

Current techniques for expressing recombinant genes in cells of blood vessels following direct *in vivo* gene transfer are limited by attendant problems or limitations. Further, an effective method of transducing microvascular cells and/or  
5 cells involved in formation of new blood vessels (angiogenesis) has not been demonstrated. This invention provides methods of transducing cells in blood vessels using recombinant adeno-associated virus (AAV) vectors.